Page 1 of 23

Patent Assignment Assignor Details

Assignor Name: MATSUMOTO, SHOICHIRO

Total Assignments: 53

Assignment: 1

Mailed: NONE Pages: 1 Recorded: Reel/Frame: 004959 / 0171 Received

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST.

Assignors

MORIMOTO, YOSHIHIRO

Exec Dt: 10/03/1988 Exec Dt: 10/03/1988 Exec Dt: 10/03/1988 Exec Dt: 10/03/1988

2 YONEDA, KIYOSHI

3 SUDO, SHOJI

4 MAISUMOTO, SHOICHIRO

Assignee

SANYO ELECTRIC CO., LID., 18, KEIHAN-HONDORI 2-CHOME, MORIGUCHI-SHI, OSAKA-FU JAPAN A CORP. DE JAPAN

Property

4935092 Pat # PCT # NONE 07254426 App #

Correspondence name and address

DARBY & DARBY

405 LEXINGTON AVE.

NEW YORK, NY 10174

Assignment: 2

Reel/Frame: 010652 / 0971

Malled: 06/29/2000 Recorded: 03/24/2000 Received: 04/06/2000

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Exec Dt: 03/21/2000

Assignor

1 MAISUMOTO, SHOICHIRO Assignee

5-5, KEIHANHONDORI 2-CHOME MORIGUCHI-SHI

SANYO ELECTRIC CO., LTD.

OSAKA, JAPAN

Property

PCT # App #

Correspondence name and address 6466502 09537804 NONE

ARMSTRONG, WESTERMAN, HATTORI ET AL.

1725 K STREET, N.W. MEL R. QUINTOS

SUITE 1000

WASHINGTON, D.C. 20006

Assignment: 3

Reel/Frame: 011395 / 0529

http://uspto-a-ptasx-2.uspto.gov/ahdstaff/q.jsp?db=pat&asnrd=MATSUMOTO,%20SHO... 12/12/2006

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Page 2 of 23

Mailed: 03/15/2001 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Recorded: 12/26/2000 Received: 01/09/2001

Exec Dt: 12/19/2000

MATSUMOTO, SHOICHIRO

Assignee

5-5 KEIHANHONDORI 2-CHOME, MORIGUCHI-SHI 1 SANYO ELECTRIC CO., LTD.

OSAKA-FU, 570-8677, JAPAN

Property

Pat# PCT # App #

649852Z US20010005159 09245995 NONE

ARMSTRONG, WESTERMAN, HATTORI ET AL Correspondence name and address

KEN-ICHI HATTORI

1725 K STREET, N.W.

WASHINGTON, D.C. 20006 SUITE 1000

Assignment: 4

Reel/Frame: 011580 / 0753

Mailed: 05/18/2001 Recorded: 02/28/2001 Received: 03/15/2001

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Exec Dt: 02/26/2001

MATSUMOTO, SHOICHIRO

1 SANYO ELECTRIC CO., LTD. Assignee

5-5. KEIHANHONDORI 2-CHOME

MORIGUCHI-SHI, OSAKA-FU, 570-8677, JAPAN

6373283 US20010022520 Pat # PCT # 09794039 NONE

ARMSTRONG, WESTERMAN, HATTORI ET AL WILLIAM F. WESTERMAN

Correspondence name and address

1725 K STREET, N.W.

SUITE 1000

WASHINGTON, DC 20006

Assignment: 5

Reel/Frame: 012262 / 0759

Mailed: 12/31/2001 Pages: 3 Recorded: 10/15/2001 Received: 10/23/2001

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

1 MAISUMOTO, SHOICHIRO

KOMIYA, NADAKI

HIROSAWA, KOJI

3 OKUYAMA, MASAHIRO

Exec Dt: 08/10/2001 Exec Dt: 08/10/2001 Exec Dt: 08/10/2001

Exec Dt: 08/10/2001

Page 3 of 23

1 SANYO ELECTRIC CO., LTD. 5-5, KEIHAN-HONDORI 2-CHOME

MORIGUCHI-SHI, OSAKA, JAPAN

Property

Correspondence name and address

09881113 NONE App #

PCT #

Pat #

Pub #

6801181 US20020030528

Assignment: 6

Reel/Frame: 012533 / 0220

Received: 02/05/2002

BLOOMFIELD, CT 06002 55 GRIFFIN ROAD SOUTH DANIEL F. DREXLER CANTOR COLBURN LLP

Page 4 of 23

Assignment: 10 Assignment: 9 Assignment: 8 Assignor Correspondence name and address MCDERMOTT, WILL & EMERY Property Assignee 1 SANYO ELECTRIC CO., LID. 1 MATSUMOTO, SHOICHIRO 2 YOKOYAMA, RYOICHI Correspondence name and address Property 1 SANYO ELECTRIC CO., LTD. Assignee 1 MAISUMOTO. SHOTCHIRO Correspondence name and address SHERIDAN ROSS P.C. 600 13TH STREET, N.W. OSAKA 570-8677, JAPAN 5-5, KEIHAN HONDORI 2-CHOME, MORIGUCHI-SHI WASHINGTON, DC 20005 ARTHUR J. STEINER WASHINGTON, D.C. 20005 600 13TH STREET, N.W. OSAKA 570-8677, JAPAN 5-5, KEIHAN HONDORI 2-CHOME, MORIGUCHI-SHI ARTHUR J. STEINER MCDERMOTT, WILL & EMERY **SUITE 1200** DENVER, CO 80202-5141 1560 BROADWAY ROBERT D. TRAVER App # App # 10091428 NONE 10061311 NONE 10011542 NONE Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Reel/Frame: 012694 / 0084 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Reel/Frame: 012572/0312 Received: 03/22/2002 Received: 02/19/2002 PCT # PCT # PCT # 6842163 US20020140663 Pat # Pat # NONE Pat # 6989813 US20020084963 Pub # Pub # US20040189611 Recorded: 03/07/2002 Recorded: 02/04/2002 Exec Dt: 02/26/2002 Exec Dt: 01/10/2002 Exec Dt: 01/10/2002 Mailed: 08/16/2002 Malled: 04/10/2002 Pages: 3 Pages: 3

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Assignors

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Recorded: 03/05/2002

Mailed: 05/08/2002

Pages: 3

Assignee

Exec Dt: 11/30/2001 Exec Dt: 11/30/2001 Exec Dt: 11/30/2001 Exec Dt: 11/30/2001

1 SANYO ELECTRIC CO., LTD. 4 MATSUMOTO, SHOICHIRO 3 HIROSAWA, KOJI 2 OKUYAMA, MASAHIRO 1 KOMIYA, NADAKI

Property

OSAKA 570-8677, JAPAN

5-5, KEIHAN-HONDORI 2-CHOME, MORIGUCHI-SHI

Assignment: 7

Reel/Frame: 012666 / 0441

Received: 03/15/2002

WASHINGTON, D.C. 20006-1888 BARRY E. BRETSCHNEIDER

2000 PA. AVENUE, N.W. MORRISON & FOERSTER LLP

Correspondence name and address

0998822Z NONE App #

6963324 US20020060674

Pub #

PCT # Pat #

Property

MORIGUCHI-SHI, OSAKA 570-8677, JAPAN 5-5, KEIHANHONDORI, 2-CHOME 1 SANYO ELECTRIC CO., LTD.

Assignee

1 ISUTSUL YUSUKE Assignors

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Recorded: 01/29/2002

Mailed: 04/01/2002

Pages: 3

2 YOKOYAMA, RYOICHI

MATSUMOTO, SHOTCHIRO

Exec Dt: 11/21/2001 Exec Dt: 11/21/2001 Exec Dt: 11/21/2001 Page 6 of 23

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NONE

Pat #

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App #

Property

OSAKA 570-8677, JAPAN

Correspondence name and address

MCDERMOTT, WILL & EMERY

WASHINGTON, DC 20005

Assignment: 13

600 13TH STREET, N.W.

ARTHUR J. STEINER

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Mailed: 07/10/2002
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Reel/Frame: 012237 / 0540
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5-5, KEIHAN HONDORI 2-CHOME

1 SANYO ELECTRIC CO., LTD.

Assignee

MORIGUCHI-SHI

http://uspto-a-ptasx-2.uspto.gov/ahdstaff/q.jsp?db=pat&asnrd=MATSUMOTO,%20SHO... 12/12/2006

Mailed: 07/26/2002 Mailed: 07/26/2002 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Exec Dt: 05/13/2002 Exec Dt: 05/13/2002 Recorded: 05/22/2002 Recorded: 05/22/2002 Z019729 US20020175904 6961054 US20020175905 Pub # Pub # Correspondence name and address Correspondence name and address Reel/Frame: 012923 / 0256 Reel/Frame: 012923 / 0282 Received: 05/29/2002 Received: 05/29/2002 5-5, KEIHAN HONDORI 2-CHOME 5-5, KEIHAN HONDORI 2-CHOME Pat # Pat # MCDERMOTT, WILL & EMERY MCDERMOTT, WILL & EMERY 1 SANYO ELECTRIC CO., LTD. 1 SANYO ELECTRIC CO., LID. 1 MATSUMOTO, SHOICHIRO MATSUMOTO, SHOICHIRO WASHINGTON, DC 20005 OSAKA 570-8677, JAPAN OSAKA 570-8677, JAPAN 600 13TH STREET, N.W. 600 13TH STREET, N.W. PCT # PCT # 10151944 NONE ARTHUR J. STEINER 1015194Z NONE ARTHUR J. STEINER MORIGUCHI-SHI MORIGUCHI-SHI Assignment: 14 App # App # Property Assignee Property Assignor Assignee

Page 7 of 23

Assignment: 17 Assignment: 15 Correspondence name and address Assignment: 16 Assignors MATSUMOTO, SHOICHIRO Property 1 SANYO ELECTRIC CO., LTD 2 SANO, KELICHI 1 MATSUMOTO, SHOICHIRO Correspondence name and address 1 MATSUMOTO, SHOTCHIRO Property SANYO ELCTRIC CO., LTD. BLOOMFIELD, CT 06002 CANTOR COLBURN LLP MORIGUCHI-SHI, OSAKA, JAPAN 55 GRIFFIN ROAD SOUTH LISA A. BONGIOVI 5-5, KEIHAN-HONDORI 2-CHOME OSAKA 570-8677, JAPAN 5-5, KEIHAN HONDORI 2-CHOME 600 13TH STREET, N.W. MORIGUCHI-SHI WASHINGTON, DC 2005 MCDERMOTT, WILL & EMERY ET AL. WASHINGTON, DC 20005 ARTHUR J. STEINER App # App # 10298460 NONE 10122010 NONE Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Reel/Frame: 013646 / 0884 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Reel/Frame: 013513 / 0185 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Reel/Frame: 012940 / 0219 Received: 01/14/2003 Received: 11/26/2002 Received: 06/04/2002 PCT # PCT # Pat # NONE 6954194 US20030189535 Pat # Pub # US20020175909 Pub # Recorded: 12/26/2002 Recorded: 11/18/2002 Recorded: 05/22/2002 Exec Dt: 12/10/2002 Exec Dt: 11/07/2002 Exec Dt: 11/07/2002 Exec Dt: 05/13/2002 Mailed: 05/13/2003 Mailed: 03/27/2003 Pages: 2 Mailed: 07/31/2002 Pages: 2 Pages: 3

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1 SANYO ELECTRIC CO., LTD.

MORIGUCHI-SHI, OSAKA, JAPAN 570-8677 5-5, KEIHAN-HONDORI 2-CHOME

Property

App # 10327958 NONE PCT # Pat # Pub # Z126593 US20030142052

Correspondence name and address

STEPHEN A. BECKER WASHINGTON, D.C. 20005 600 13TH STREET, N.W. MCDERMOTT, WILL & EMERY

Assignment: 18

Reel/Frame: 013752 / 0606 Received: 02/19/2003 Recorded: 02/07/2003 Mailed: 06/24/2003 Pages: 2

Assignors Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

3 MATSUMOTO, SHOTCHIRO NOGUCHI, YUKIHIRO ISUCHIYA, HIROSHI Exec Dt: 01/21/2003 Exec Dt: 01/21/2003 Exec Dt: 01/23/2003

1 SANYO ELECTRIC CO., LTD. 5-5, KEIHAN-HONDORI 2-CHOME

Assignee

MORIGUCHI-SHI

Property OSAKA, JAPAN

App # 10359571 NONE PCT # NONE Pat # Pub # US20030156084

Correspondence name and address MCDERMOTT, WILL & EMERY

600 13TH STREET, N.W. WASHINGTON, DC 20005 ARTHUR J. STEINER

Assignment: 19

Reel/Frame: 013752 / 0909 Received: 02/19/2003 Recorded: 02/11/2003

Pages: 2

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Mailed: 06/24/2003

Assignors

3 ISUCHIYA, HIROSHI 2 MAISUMOTO, SHOTCHIRO 1 NOGUCHI, YUKIHIRO Exec Dt: 02/05/2003 Exec Dt: 01/31/2003 Exec Dt: 01/31/2003

Assignee 4 SANO, KEIICHI

Exec Dt: 01/31/2003

1 SANYO_ELECTRIC_CO._ LTD.

5-5, KEIHAN-HONDORI 2-CHOME MORIGUCHI-SHI OSAKA, JAPAN 570-8677

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Page 8 of 23

WASHINGTON, DC 20005

Assignment: 22

600 13TH STREET, N.W.

Page 10 of 23

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Mailed: 08/07/2003
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Correspondence name and address

MCDERMOTT, WILL & EMERY

ARTHUR J. STEINER

http://uspto-a-ptasx-2.uspto.gov/ahdstaff/q.jsp?/db=pat&asnrd=MATSUMOTO,%20SHO... 12/12/2006

Mailed: 09/10/2003 Mailed: 09/29/2003 Mailed: 02/17/2004 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Received: 04/29/2003 Recorded: 04/24/2003 Mailed: 09/29/2/ Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Exec Dt: 04/08/2003 Exec Dt: 04/10/2003 Exec Dt: 04/08/2003 Exec Dt: 07/14/2003 Pages: 6 Pages: 2 Recorded: 04/14/2003 Recorded: 07/25/2003 US20030169220 Z084862 US20030089916 5-5, KEIHAN HONDORI 2-CHOME MORIGUCHI-SHI Pub # Pub # Correspondence name and address Reel/Frame: 014002 / 0124 Correspondence name and address Reel/Frame: 014335 / 0098 Reel/Frame: 013953 / 0296 Received: 08/04/2003 Received: 04/17/2003 5-5, KEIHAN-HONDORI 2-CHOME Pat # Pat # MCDERMOTT, WILL & EMERY MCDERMOTT, WILL & EMERY 1 SANYO ELECTRIC CO., LTD. 1 SANYO ELECTRIC CO., LTD. 1 MATSUMOTO SHOICHIRO 2 MATSUMOTO, SHOICHIRO 1 MATSUMOTO, SHOICHIRO WASHINGTON, DC 20005 WASHINGTON, DC 20005 OSAKA 570-8677, JAPAN 600 13TH STREET, N.W. 600 13TH STREET, N.W. ₩ bct PCT # 10287521 NONE 1 ISUCHIYA, HIROSHI ARTHUR J. STEINER 10359283 NONE GENE Z. ROBINSON MORIGUCHI-SHI **OSAKA, JAPAN** Assignment: 24 Assignment: 23 App # App # Property Property Assignee **Assignor**

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Assignee

1 SANYO ELECTRIC CO., LTD.

S-S, KEIHAN-HONDORI 2-CHOME

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Assignment: 26
                                           Property
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    NOGUCHI, YUKIHIRO
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Correspondence name and address

LISA A. BONGIOVI

55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 CANTOR COLBURN LLP

Reel/Frame: 014889 / 0994

Received: 01/21/2004

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Exec Dt: 12/22/2003 Exec Dt: 12/22/2003 Recorded: 01/12/2004

Mailed: 07/24/2004 Pages: 2 Assignee

1 SANYO ELECTRIC CO., LTD.

5-5, KEIHAN-HONDORI 2-CHOME MORIGUCHI-SHI, OSAKA

Property

App #

PCT #

Pat # NONE

Pub # US20040095299

10652804 NONE

JAPAN

1 MATSUMOTO, SHOTCHIRO

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Exec Dt: 12/11/2003

Recorded: 12/24/2003

Mailed: 12/29/2003 Pages: 2 BLOOMFIELD, CT 06002 55 GRIFFIN ROAD S. LISA A. BONGIOVI

Reel/Frame: 014218 / 0606

Received: 12/24/2003

Assignors TAGUCHI, EIJI Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Exec Dt: 02/11/2004

WASHINGTON, DC 20005-3096 600 13TH STREET, NW ARTHUR J. STEINER

Reel/Frame: 015024/0524

Received: 03/04/2004

Recorded: 02/24/2004

Mailed: 08/24/2004 Pages: 2 MORIGUCHI-SHI, OSAKA, JAPAN 5-5, KEIHAN-HONDORI 2-CHOME

App #

PCT #

Pat #

Z0Z8934 US20040140829

10754926 NONE

Correspondence name and address

CANTOR COLBURN LLP

Page 14 of 23

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Mailed: 10/22/2004 Mailed: 09/25/2004 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Received: 04/07/2004 Recorded: 03/30/2004 Malled: 09/25/2/ Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Exec Dt: 03/17/2004 Exec Dt: 04/16/2004 Exec Dt: 04/14/2004 Pages: 2 Pages: 2 Recorded: 04/27/2004 US2004020Z5Z9 US20040233142 5-5, KEIHAN-HONDORI 2-CHOME MORIGUCHI-SHI Pub # Pub # Reel/Frame: 015268 / 0590 Correspondence name and address Correspondence name and address Received: 05/03/2004 Correspondence name and address Reel/Frame: 015174 / 0894 BLOOMFIELD, CONNECTICUT 06002 Attorney Dkt #: YKI0149 WASHINGTON, D.C. 20005-3096 5-5, KEIHAN-HONDORI 2-CHOME Pat # MCDERMOTT WILL & EMERY LLP MORIGUCHI-SHI, OSAKA, JAPAN Pat # NONE 1 SANYO ELECTRIC CO., LTD. 1 SANYO ELECTRIC CO., LTD. 1 MAISUMOIO_SHOICHIRO **55 GRIFFIN ROAD SOUTH** I MATSUMOTO SHOICHIRO 55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002 600 13TH STREET, N.W. CANTOR COLBURN LLP CANTOR COLBURN LLP PCT # PCT # 10833183 NONE 10813800 NONE LISA A. BONGIOVI LISA A. BONGIOVI OSAKA, JAPAN 2 OGAWA, MIWA Assignment: 32 Assignment: 33 Assignment: 34 App # App # Assignors Assignee Property Property

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Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Recorded: 06/23/2004

Mailed: 06/23/2004 Pages: 2

Property

MORIGUCHI-SHI, OSAKA, JAPAN

Assignment: 37

BLOOMFIELD, CT 06002 55 GRIFFIN ROAD SOUTH JOEL T. CHARLTON CANTOR COLBURN LLP

Correspondence name and address

10953974 NONE App #

NONE Pat #

PCT #

Pub # NONE

Assignor

Attorney Dkt #: 492322019300

Reel/Frame: 015965 / 0123

Received: 11/12/2004

Recorded: 11/05/2004

Mailed: 05/02/2005

Pages: 3

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Exec Dt: 10/05/2004

1 MATSUMOTO, SHOTCHIRO

1 SANYO ELECTRIC CO., LTD.

2-5-5, KEIHANHONDORI

Assignee

Reei/Frame: 014768 / 0820

Received: 06/23/2004

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1 SANYO_ELECTRIC_CO.__LTD.
5-5, KEIHAN-HONDORI 2-CHOME
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Correspondence name and address

10891455 NONE NONE

US20050040761 Pub # Property

App #

PCT # Pat #

MORIGUCHI-SHI, OSAKA 570-8677, JAPAN

Assignee Correspondence name and address Property 1 SANYO ELECTRIC CO., LTD. 1 MATSUMOTO, SHOTCHIRD DANIEL F. DREXLER MORIGUCHI-SHI, OSAKA, JAPAN 5-5, KEIHAN-HONDORI 2-CHOME CANTOR COLBURN LLP App # 10950Z29 NONE Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). PCT # Pat # NONE Pub # US20050073487 Exec Dt: 11/22/2004

Assignment: 38

Attorney Dkt #: YKI-0161

Reei/Frame: 016052 / 0762

Received: 12/13/2004

Recorded: 12/07/2004

Mailed: 05/24/2005

Pages: 2

MCLEAN, VA 22102 SUITE 300 1560 TYSONS BOULEVARD MORRISON & FOERSTER LLP BARRY E. BRETSCHNEIDER **Assignor**

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Mailed: 06/13/2005
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                                                                                                                        Attorney Dkt #: 492322020900
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1650 TYSONS BOULEVARD, SUITE 300
                                                                                                                                                                                                                                                                                                                                                                                                          Correspondence name and address
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                                                                                                   Received: 01/07/2005
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                                                                                                                                                                                                                                                             SANYO ELECTRIC CO., LTD.
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55 GRIFFIN ROAD SOUTH
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Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Attorney Dkt #: 492322021100

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Conveyance: RESUBMISSION OF ASSIGNMENT AT REEL 016396 AND FRAME 0729 TO CORRECT EXECUTION DATE WHICH SHOULD READ MARCH 14, 2005 Mailed: 07/01/2005 Malled: 02/07/2006 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Exec Dt: 03/14/2005 Exec Dt: 03/14/2005 Exec Dt: 03/14/2005 Exec.Dt: 03/14/2005 Exec Dt: 12/06/2004 Exec Dt: 12/27/2004 Exec Dt: 12/27/2004 Pages: 5 Recorded: 01/25/2005 Recorded: 09/14/2005 Z12993Z USZ0050110421 US20050093466 Pub # Pub # MORIGCHI-SHI, OSAKA 570-8677, JAPAN 1650 TYSONS BOULEVARD, SUITE 300 1650 TYSONS BOULEVARD, SUITE 300 Correspondence name and address Correspondence name and address Reel/Frame: 01620Z / 023Z Reel/Frame: 017134 / 0135 Received: 02/03/2005 Received: 10/28/2005 NONE Pat # MORRISON & FOERSTER LLP MORRISON & FOERSTER LLP 1 SANYO ELECTRIC CO., LTD. 1 SANYO ELECTRIC CO., LTD. SANYO ELECTRIC CO., LTD. BARRY E. BRETSCHNEIDER BARRY E. BRETSCHNEIDER MCLEAN, VIRGINIA 22102 4 MATSUMOTO, SHOICHIRO MATSUMOTO, SHOICHIRO 1 MATSUMOTO, SHOICHIRO **OSAKA 570-8677, JAPAN** 2-5-5, KEIHANHONDORI 2-5-5, KEIHANHONDORI PCT # PCT # 1 NOGUCHI, YUKIHIRO 10948742 NONE 10952365 NONE MCLEAN, VA 22102 3 YAMADA, KOUITI MORIGUCHI-SHI SEKINE, SATORU Assignment: 42 Assignment: 43 2 OKUBO, MARI App # App # Assignors Assignors Property Assignee Property

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Assignment: 44 Assignment: 45 Assignor Assignors Assignee Correspondence name and address Property Correspondence name and address Assignee Property 1 SANYO ELECTRIC CO., LTD. 1 MATSUMOTO, SHOICHIRO Property 2 MATSUMOTO, SHOTCHIRO Correspondence name and address 1 QGAWA, TAKASHI SANYO ELECTRIC CO., LTD. OSAKA, JAPAN 5-5, KEIHAN-HONDORI 2-CHOME MORIGUCHI-SHI, OSAKA 570-8677, JAPAN MORIGUCHI-SHI, OSAKA, JAPAN 570-8677 2-5-5, KEIHANHONDORI WASHINGTON, D.C. 20005-3096 600 13TH STREET, NW MORIGUCHI-SHI 2-5-5, KEIHANHONDORI MCDERMOTT WILL & EMERY LLP MORRISON & FOERSTER LLP BARRY E. BRETSCHNEIDER MCLEAN, VIRGINIA 22102 1650 TYSONS BOULEVARD, SUITE 300 MORRISON & FOERSTER LLP BARRY E. BRETSCHNEIDER App # App # PCT # Pat # 11196499 NONE NONE 11084134 NONE App # 11050452 NONE Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Reel/Frame: 017147 / 0759 Reel/Frame: 016647 / 0467 Received: 06/07/2005 Received: 11/01/2005 PCT # PCT # Pat # Pat # NONE NONE Pub# 010520060033016 Pub # US20050199876 Pub # US20050212787 Recorded: 06/02/2005 Recorded: 10/26/2005 Exec Dt: 10/18/2005 Exec Dt: 05/17/2005 Exec Dt: 10/18/2005 Mailed: 10/17/2005

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1650 TYSONS BLVD. SUITE 300

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MCLEAN, VA 22102

Assignment: 46

Reel/Frame: 017175 / 0551 Received: 01/10/2006 Recorded: 01/10/2006 Mailed: 02/16/2006 Pages: 2

Attorney Dkt #: YKI-0188 Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors 1 SASAKI, AKIFUMI

2 MATSUMOTO, SHOICHIRO

Exec Dt: 11/18/2005 Exec Dt: 11/18/2005

Assignee

1 SANYO ELECTRIC CO., LTD.

5-5, KEIHAN-HONDORI 2-CHOME, MORIGUCHI-SHI

OKAKA, JAPAN

Pages: 3

Property

11236195 NONE App # PCT # NONE Pat # Pub # US20060066254

Correspondence name and address

JOEL T. CHARLTON

55 GRIFFIN ROAD SOUTH CANTOR COLBURN LLP

Assignment: 47

BLOOMFIELD, CT 06002

Reel/Frame: 017707 / 0228 Received: 03/30/2006

Recorded: 03/27/2006

Mailed: 06/01/2006

Pages: 3

Attorney Dkt #: yki-0188

Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors 1 SASAKI, AKIEUMI Exec Dt: 11/18/2005

Exec Dt: 11/18/2005

2 MAISUMOTO, SHOIGHIRO

1 SANYO ELECTRIC CO., LTD. Assignee

Mailed: 02/09/2006

Pages: 3

5-5, KEIHAN-HONDORI 2-CHOME, MORIGUCHI-SHI

OSAKA, JAPAN

Property

11236195 NONE App # PCT # Pat # NONE US20060066254 Pub #

Correspondence name and address

CANTON COLBURN LLP JOEL T. CHARLTON

BLOOMFIELD, CT 06002 55 GRIFFIN ROAD SOUTH

Assignment: 48 .

Reel/Frame: 017938 / 0773 Received: 06/07/2006

Attorney Dkt #: 606402034700

Recorded: 06/02/2006

Malled: 07/17/2006 Pages: 3

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Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).	Exec Dt: 05/08/2006	8	Pages: 7 Recorded: 07/07/2006 Mailed: 08/09/2006	Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). YUKIHIRO Exec Dt: 06/10/2006 TO, SHOICHIRO Exec Dt: 06/13/2006 AOYA Exec Dt: 06/13/2006 LI, YASUTAKA Exec Dt: 06/12/2006 ALIZAQ Exec Dt: 06/12/2006 ALIZAQ Exec Dt: 06/12/2006 Exec Dt: 06/12/2006 Exec Dt: 06/12/2006	Pages: 3 Recorded: 07/24/2006 Malled: 08/17/2006 VORS INTEREST (SEE DOCUMENT FOR DETAILS). Exec Dt: 06/27/2006
	ASSIGNOR 1 MATSUMOTO_SHOICHIRO ASSIGNEE 1 SANDE ELECTRIC_CO_LID. 2-5-5, KEIHANHONDORI MORIGUCHI-SHI, OSAKA, JAPAN 570-8677	Property App # PCT # Pat # Pub # 11322482 NONE NONE US20060214889 Correspondence name and address BARRY E. BRETSCHNEIDER MORRISON & FOERSTER ILP 1650 TYSONS BLVD, SUITE 300 MCLEAN, VA 22102	Assignment: 49 Reel/Frame: 018078 / 0911 Received: 07/12/2006 Attorney Dkt #: 057810-0151		App # PCT # Pat # Pub # 11314955 NONE US2006025052 Correspondence name and address MCDERNOTT WILE & EMEY LLP 600 13TH STREFL, N.W. WASHINGTON, DC 20005-3096 Assignment: 50 Reel/Frame: 018125 / 0020 Received: 07/28/2006 Recorded: 07/24/2006 Malled: 08/17/3 Conveyance: Assignment of Assignors Assignors Exec Dt: 06/27/2006 1 OGAWA, TAKASHI Exec Dt: 06/27/2006

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Correspondence name and address DANIEL P. LENT

CANTOR COLBURN LLP

55 GRIFFIN ROAD SOUTH
BLOOMFIELD, CONNECTICUT 06002

Assignment: 53

Reel/Frame: 018589 / 0188 Pages: 2
Received: 12/04/2006 Recorded: 12/04/2006 Mailed: 12/07/20
Conveyance: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS). Pages: 2 Mailed: 12/07/2006

2 KINPARA, YASUNORI

Exec Dt: 11/13/2006 Exec Dt: 11/13/2006

Assignors 1 MATSUMOTO, SHOICHIRQ

Assignee

1 SANYO ELECTRIC CO., LTD.
5-5, KEIHAN-HONDORI 2-CHOME
MORIGUCHI-SHI, OSAKA, JAPAN

Property

App # PCT # Pat # Pub #

Correspondence name and address 11580668 NONE NONE

55 GRIFFIN ROAD SOUTH
BLOOMFIELD, CONNECTICUT 06002 DANIEL P. LENT CANTOR COLBURN LLP

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